

# Insects attracted to mercury vapour lamp in the Surat Dangs, Gujarat State

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In 1964 [*J. Bombay nat. Hist. Soc.* 61(2) : 281-294] we published a list of moths that were attracted to light in the Dangs. The observations were continuous for 3-4 years (1961-64) and insects of all orders that came to light were caught for identification. The general ecological conditions were more or less similar for all the years and therefore the weather data are not repeated as they were given in the last paper. A large number of moth species which were not found in the previous season were attracted in the subsequent years and are included in the list. Those mentioned in the last article have not been repeated. About 17 species of butterfly came to the light and their names have been published by one of us (EMS) in the *Journal of the Lepidopterists' Society, U.S.A.* Vol. 18(3) : 159-163 (1964). These are mentioned in the present paper for information. Additionally there are more than 200 species belonging to different orders which are listed below. The total number of species attracted to light works up to considerably more than 400. Out of these, the number of moth species is 222 (180 reported in the last paper and 42 in the present list) making up nearly 50% of the insect species caught. Coleoptera totalled to 72, Hemiptera 54 and Orthoptera 43 species including Mantidae (now considered a separate order, Order Dictyoptera), not an inconsiderable number, when one takes into consideration the general impression that it is only the moths which are attracted to light.

This subject is of general, popular, interest and therefore the technicalities of systematics have not been strictly observed in its presentation. Instead, the orders, families, species etc. have been arranged alphabetically so that a layman could easily refer to them when required.

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In recent years this method has become rather common. Secondly, the localities from which these species were previously collected in India have been shown. This information is taken generally from the FAUNA OF BRITISH INDIA volumes. Localities of those species which are not found in the FAUNA have been taken from the registers of insects in the collection of the Bombay Natural History Society. Quite possibly extension in the range of distribution of many of these species have been already recorded. But as papers in which these have been published are not easily available, we have restricted ourselves to these two sources only. Our main object is to show that these insect species are found in the Dangs area and are attracted to light. Other information is only incidental. Thirdly, the number of specimens of each species collected is given to give a rough idea of their abundance during the period, but this may not give a correct view of the relative abundance of different families as a large number of smaller insects must have escaped the collector's attention.

Most of the insects were identified by one of the authors (NTN). Those which could not be identified by us or about which there were doubts had to be sent out for the purpose. Local authorities as well as some foreign institutions like the Academy of Natural Sciences of Philadelphia were approached but most of them could not undertake to do this work either due to want of authoritative identifier or for want of time. Considerable time, however, was lost in these attempts and the publication of this part of the paper was consequently delayed. The Forest Research Institute, Dehra Dun, however, was of great help to us in this respect. We are indebted to them for the identification of a large number of our unidentified specimens, specially of the order Orthoptera (Acrididae and Gryllidae). Indian Agricultural Research Institute, New Delhi, also identified a few specimens for which we are thankful. A number of specimens mostly Trichoptera, Plecoptera and a few Hymenoptera and Orthoptera (Tettigoniidae) could not be identified and had to be omitted from this paper. Inclusion of these species would have increased the list by at least another 25-35 species,

## INSECTS COLLECTED AT LIGHT AT AHWA IN THE DANGS

Serial No.	Family and Species	No. collected	Distribution previously recorded
ORDER COLEOPTERA			
Fam. Anthicidae			
1	<i>Anthicus hirsutus</i> Fr.	3	N. Kanara
Fam. Bostrychidae			
2	<i>Sinoxylon pugnax</i> Les.	1	Punjab
Fam. Buprestidae			
3	<i>Demochroa mutabilis</i> Ol.	1	Karwar, Bombay, Khandesh
4	<i>Sternocera laevigata</i> Ol.	1	Central India
5	<i>Sphenoptera gossypii</i> Ker.	1	All over India
Fam. Carabidae			
6	<i>Brachynus reyi</i> And.	2	Igatpuri, N. Kanara, Bombay, Madras
7	<i>Carabid</i> sp.	2	..
8	<i>Chlaenius rayotus</i> Bat.	1	Throughout India
9	<i>Clivina indica</i> Putz. (= <i>C. memnonia</i> Dej.)	5	India
10	<i>Distrigus</i> sp.	2	..
11	<i>Gnathaphanus punctilabris</i> Mac.	9	Throughout India
12	<i>Harpaliscus</i> sp.	3	..
13	<i>Lesticus desgodinsi</i> Teh.	1	Sikkim, Gopaldhara, Pashok
14	<i>Macrocheilus bensoni</i> Hope	4	India
15	<i>Omphra pilosa</i> Kl.	8	All over India
16	<i>Ophonus indicus</i> Bat.	10	Himalayan tract, Kashmir to Bhutan
17	<i>Orthogonius opacus</i> Sch. & Go.	1	Garo Hills, Sikkim, Andamans, Maymyo (Burma)
18	<i>Oxylobus dispar</i> Andr.	2	Kanara, Belgaum, Talewadi, Travancore etc.
19	<i>Pheropsophus occipitalis</i> Mac.	6	Throughout India
Fam. Cerambycidae			
20	<i>Apriona trilineata</i> Fab.	1	Mussoorie, Kathmandu, N. Kanara
21	<i>Arlara cylindracea</i> White	1	..
22	<i>Batocera rubra</i> L.	1	Widely distributed in the oriental region
23	<i>Celosterna scabrator</i> Fab.	4	Widely distributed in India
24	<i>Coptops aedificator</i> Fab.	1	Bengal, Orissa, U.P., M.P., etc.
25	<i>Glenea vexator</i> Pasc.	1	Belgaum, Bombay etc.
26	<i>Neocerambyx paris</i> Wied.	1	Mysore State, Bombay, Assam
27	<i>Plocaederus ferrugineus</i> L.	1	Trivandrum, N. Kanara, Khandesh
28	<i>Prionomma atratum</i> Gme.	4	S. India
29	<i>Sthenias grisator</i> Pasc.	1	Belgaum, N. Kanara, Bombay, Palanpur
30	<i>Xylotrechus smei</i> L. & G.	3	N. India, Deccan
31	<i>Xystrocera globosa</i> Ol.	1	Darjeeling, Bombay, Madras, Mysore

Serial No.	Family and Species	No. collected	Distribution previously recorded
	Fam. Chrysomelidae		
32	<i>Chrysomelid</i> sp.	1	
	Fam. Cicindelidae		
33	<i>Cicindela cancellata</i> Dej.	1	All over India
	Fam. Coccinellidae		
34	<i>Coccinellid</i> sp.	4	..
	Fam. Dytiscidae		
35	<i>Cybister confusus</i> Shp.	1	Bombay, Karwar
36	<i>Hydraticus luzonicus</i> Aub.	1	Khandesh
	Fam. Elateridae		
37	<i>Agrypnus</i> sp.	1	
38	<i>Alaus sordidus</i> Westw.	3	Kandy (Ceylon)
	Fam. Gyrinidae		
39	<i>Dineutus indicus</i> Aub.	1	Common all over India
	Fam. Hydrophilidae		
40	<i>Hydrophilus spinicollis</i> Esch.	8	Tharawaddy (Burma), N. Kanara, Kasara, Pusa, Brahmaputra
41	<i>Sternolophus brachyacanthus</i> Reg.	10	Bihar, Khandesh
42	<i>Sternolophus unicolor</i> Cast.	2	Khandesh
43	<i>Slethoxus</i> sp.	1	..
	Fam. Lucanidae		
44	<i>Cladognathus giraffa</i> Ol.	1	Assam, U.P., Bengal, Andamans, Cuddapah (A.P.)
	Fam. Meloidae		
45	<i>Cantharis ardosia</i> Fairm.	5	Bombay, Kanara
46	<i>C. rouxi</i> Cast.	5	Kanara, Karachi, Nasik, Mt. Abu
47	<i>Epicauta cognata</i> Haag.	3	N. Kanara
48	<i>E. hirtipes</i> Wat.	1	Nepal
49	<i>Sybaris procrastus</i> Koll. & Red.	6	Bombay, Bangalore
	Fam. Scarabidae		
50	<i>Anomala bengalensis</i> Bl.	1	Common all over India
51	<i>Anomalachela bicolor</i> Brsk.	1	Nilgiris
52	<i>Aphodius crenatus</i> Hey.	3	Karachi
53	<i>Apogonia ferruginea</i> F.	7	Bombay, Andamans
54	<i>Catharsius molossus</i> L.	5	All over India
55	<i>C. pithecius</i> F.	4	do.
56	<i>Chiloloba acuta</i> Wied.	2	Sikkim, Dehra Dun, Belgaum, Mhow, Malabar etc.
57	<i>Copris indicus</i> Gill.	2	Madras, Mysore, Travancore
58	<i>Helicopris bucephalus</i> Fab.	5	All over India

Serial No.	Family and Species	No. collected	Distribution previously recorded
59	<i>Holotrichia pulvinosa</i> Shp.	6	Bombay
60	<i>Onitis virens</i> Laus.	9	All over India
61	<i>Onthophagus ramosus</i> (Wied).	3	do.
62	<i>Oryctes</i> sp.	1	
63	<i>Rhinyptia indica</i> Burm.	1	Belgaum, Bombay, Nagpur, Madras
64	<i>Scarabid</i> sp.	1	..
65	<i>Serica</i> sp.	6	..
66	<i>Xylotrupes gideon</i> L.	2	All over India
	Fam. Staphylinidae		
67	<i>Philonthus</i> sp.	1	
	Fam. Tenebrionidae		
68	<i>Camaria angulicollis</i> Fair.	1	Nilgiris, Coorg, Kanara
69	<i>Gonocephalum depressum</i> F.	2	Bombay, Belgaum, Berars, Madurai
70	<i>G. oblongum</i> F.	5	Berars
71	<i>Sleron reitheri</i> Geb.	10	Bombay, Berars
72	<i>Strongylium</i> sp.	3	..
	ORDER DERMAPTERA		
	Fam. Labiduridae		
73	<i>Forcipula quadrispinosa</i> Doh.	12	Sikkim, Bhutan, Bengal, Madras, Travancore
74	<i>F. trispinosa</i> Doh.	4	Nepal, Bengal, U.P.
75	<i>Labidura bengalensis</i> Doh.	4	Bengal, Madras
76	<i>L. lividipes</i> Duf.	2	Bengal, Pusa, Madras, Bombay
77	<i>L. riparia</i> Pall.	8	Cosmopolitan
78	<i>Psalis dohrni</i> Kir.	2	Travancore, Northern side of Western Ghats
	ORDER HEMIPTERA		
	I. <i>Heteroptera</i>		
	Fam. Belostomatidae		
79	<i>Sphaerodema rusticum</i> Fab.	9	Bombay. Widespread
80	<i>Belostoma indicum</i> L.	1	do. do.
	Fam. Coreidae		
81	<i>Acanthecoris scabrator</i> Fab.	1	Sikkim, Assam, Khasi hills
82	<i>Cletus bipunctatus</i> Westw.	1	Bombay, Bengal, Bangalore
83	<i>Notobitus dorsalis</i> Westw.	3	Bengal, Bombay
84	<i>N. meleagris</i> Fab.	7	Nilgiris
85	<i>Serinetha rufomarginata</i> Fab.	2	Bombay, Calcutta
86	<i>Serinetha</i> sp.	3	
	Fam. Lygaeidae		
87	<i>Aphanus orientalis</i> Dist.	2	Bombay, Bengal, Bihar, Mysore
88	<i>Dieuchus uniguttatus</i> Thumb.	5	Assam, Bombay, Bangalore
89	<i>Lethaeus indicus</i> Dall.	2	N. Bengal
90	<i>Oxycarenus laetus</i> Kirb.	2	Cosmopolitan
91	<i>Petillia pelucicollis</i> Wlk.	1	Sikkim

Serial No.	Family and Species	No. collected	Distribution previously recorded
Fam. Pentatomidae			
92	<i>Chrysocoris stockerus</i> L.	1	Bombay, Bangalore, Trivandrum
93	<i>Cydus indicus</i> Westw.	1	Bombay. Widely distributed
94	<i>Cyclopelta siceifolia</i> Westw.	3	Cosmopolitan
95	<i>Dalpada affinis</i> Dall.	1	Sikkim, Tenasserim
96	<i>D. nigricollis</i> Westw.	6	Punjab, Srinagar, Nepal, Bengal, etc.
97	<i>Degonetus serratus</i> Dist.	1	Bombay
98	<i>Dolycoris indicus</i> Stal.	4	Bombay, Calcutta, Darjeeling, Bangalore, etc.
99	<i>Erthesima fullo</i> Thumb.	5	Bengal, Assam, Trivandrum, Andamans
100	<i>Eusarcocoris guttiger</i> Th.	2	Assam, Bengal, Bombay
101	<i>E. ventralis</i> Westw.	3	Bombay, Bengal, Bangalore
102	<i>Eusarcocoris</i> sp.	1	..
103	<i>Halyomorpha picus</i> Fab.	1	Cosmopolitan
104	<i>Halys dentatus</i> Fab.	1	do.
105	<i>Laprius varicornis</i> Stal.	1	do.
106	<i>Nezara viridula</i> L.	2	do.
107	<i>Plecosternum alces</i> Stal.	1	Bombay
108	<i>P. dama</i> Fab.	1	Assam, Pondicherry, Cochin, Trivandrum
109	<i>Podops</i> sp.	4	..
110	<i>Tetroda obtusa</i> Dalb.	1	N. India
Fam. Pyrrhocoridae			
111	<i>Dysdercus cingulatus</i> Fab.	1	Cosmopolitan
112	<i>Ectalops</i> sp.	1	..
Fam. Reduviidae			
113	<i>Acanthaspis</i> sp.	1	..
114	<i>A. trimaculata</i> Reut.	1	Bombay, N. India
115	<i>Conorhinus rubrofasciatus</i> de Geer	1	Cosmopolitan
116	<i>Endoclus</i> sp.	1	..
117	<i>Opisthoptatys majusculus</i> Dist.	2	..
118	<i>Scadra fuscicrus</i> Stal.	3	..
119	<i>Tribelocephala indica</i> Wlk.	3	Bengal, Bombay
II. Homoptera			
Fam. Fulgoridae			
120	<i>Dictyophora</i> sp. 1	1	..
121	<i>Dictyophora</i> sp. 2	3	..
122	<i>Dictyopharina viridissima</i> Mots.	7	Bombay, Nilgiris
123	<i>Pulastya acutipennis</i> Kirb.	1	..
124	<i>Pyrilla perpusilla</i> W.	4	Bengal, Pusa, S. India, Common
125	<i>Udugama splendens</i> G.	1	Bombay
Fam. Jassidae			
126	<i>Athysanus indicus</i> D.	1	Bengal, Pusa
127	<i>Bythoscopus</i> sp.	2	..
128	<i>Hecalus</i> sp.	2	..

Serial No.	Family and Species	No. collected	Distribution previously recorded
129	<i>Idiocerus niveosparus</i> Leth.	3	Cosmopolitan
130	<i>Ledra quadricarina</i> Wlk.	1	Bengal, S. India
131	<i>Nephotettix apicalis</i> Mot.	2	Bengal
132	<i>Peregrinus maidis</i> (Ash.)	1	..
133	<i>Tettigoniella spectra</i> Dist.	1	Cosmopolitan
ORDER HYMENOPTERA			
Fam. Apidae			
134	<i>Apis dorsata</i> Fab.	1	Cosmopolitan
Fam. Ichneumonidae			
135	<i>Paniscus testaceus</i> Grav.	2	Belgaum, Nasik
136	<i>Xanthopimpla pedator</i> Fab. = <i>Pimpla lepcha</i> Cam.	1	Bombay
137	<i>Ichneumon</i> sp.	2	..
138	<i>Ophion</i> sp.	3	..
Fam. Pompilidae			
139	<i>Salius bipartitus</i> (Lep.)	2	Gudhalli
Fam. Vespidae			
140	<i>Icaria ferruginea</i> Fab.	1	Karachi, Krohi, Matheran, Nasik, etc.
ORDER LEPIDOPTERA			
I. <i>Heterocera</i> (Moths) <sup>1</sup>			
Fam. Arctiidae			
141	<i>Aemene guttulosa</i> Wlk.	..	Bengal, Nilgiris
142	<i>Cretonotus interruptus</i> Gmel.	..	Throughout India
143	<i>Miltochrista (Asura)</i> sp.	..	..
144	<i>Utetheisa pulchella</i> L.	..	Throughout India
Fam. Geometridae			
145	<i>Hyperythra lutea</i> Cr.	..	do.
146	<i>Macaria eleonora</i> Cr. (= <i>M. fasciata</i> Fab.)	..	do.
147	<i>Tephрина disputaria</i> Guen.	..	do.
148	<i>Thalassodes flavifuscata</i> Wlk.	..	Sikkim
Fam. Hypsidae			
149	<i>Argina cribraria</i> Cl.	..	Throughout India
150	<i>Hypsa ficus</i> Fab.	..	do.
Fam. Lasiocampidae			
151	<i>Trabala vishnu</i> Lef.	..	do.
Fam. Limacodidae			
152	<i>Parasa lepida</i> Cr.	..	Throughout India

<sup>1</sup> The exact number collected of each species is not available. They varied from 1 to 3 in most of the cases.

Serial No.	Family and Species	No. collected	Distribution previously recorded
Fam. Lymantridae			
153	<i>Dasychira bhana</i> Mo.	..	Sikkim, Nilgiris
154	<i>Euproctis immaculata</i> Mo.	..	Sikkim, N. Kanara
155	<i>E. scintillans</i> Wlk.	..	Throughout India
156	<i>Lymantria mathura</i> Mo.	..	N.W. Himalayas, Sikkim
157	<i>Porthesia xanthorrhoea</i> Koll.	..	Throughout India
158	<i>Thiasidas postica</i> Wlk.	..	do.
Fam. Noctuidae			
159	<i>Agrotis bicornica</i> Koll.	..	All over India
160	<i>Chariclea bivittata</i> Wlk.	..	Bombay Presidency
161	<i>C. flavia</i> Hmps.	..	Mhow, Bombay, Deccan, Madras, Wynaad, etc.
162	<i>C. lanceolata</i>	..	Simla, Mhow, Nilgiris
163	<i>Earias fabia</i> Stoll.	..	Throughout India
164	<i>Euplexia</i> sp.	..	
165	<i>Hermonassa consignata</i> Wlk.	..	Kashmir, Dharamshala, Sikkim
166	<i>Homaea clathrum</i> Guen.	..	N.W. India
Fam. Notodontidae			
167	<i>Fentonia tenebrosa</i> Wlk.	..	N. Kanara
168	<i>Gargetta costigera</i> Wlk.	..	Mandi, N.W. Himalayas, Sikkim
169	<i>Pydna endophaea</i> Hmps.	..	N. Kanara
Fam. Pyralidae (Pyralididae)			
170	<i>Capriina conchylalis</i> Guen.	..	Sikkim, Assam, Bombay, Nilgiris
171	<i>Euclasta defamatalis</i> Wlk.	..	Throughout India
172	<i>Glyphodes bivitalis</i> Guen.	..	Sikkim, Assam, W. & S. India, Andamans
173	<i>G. indica</i> Saund.	..	Very widely distributed
174	<i>Maruca testulalis</i> Gej.	..	do.
175	<i>Nymphula fluctuosalis</i> Zell.	..	do.
176	<i>Sameodes cancellalis</i> Zell.	..	All over India
177	<i>Sylepta lunalis</i> Guen.	..	Throughout India, Andamans
178	<i>Zinckenia fascialis</i> Cr.	..	Widely distributed
179	<i>Zinckenia</i> sp.	..	..
Fam. Sphingidae			
180	<i>Deilephila livornica</i> (Esp.) (= <i>Celerio lineata livornica</i> Roth. & Jord.).	..	Throughout India
181	<i>Rhyncholaba acteus</i> (Cram.).	..	Widely distributed
Fam. Thyrididae			
182	<i>Striglina scitaria</i> Wlk.	..	Throughout India
II. <i>Rhopalocera</i> (Butterflies)			
Fam. Hesperiiidae			
183	<i>Hasora chromus</i> (Cr.)	8	Throughout India
184	<i>Pelopidas conjuncta</i> Hew.	1	Peninsular India, Dehra Dun to Assam, Calcutta



Serial No.	Family and Species	No. collected	Distribution previously recorded
Fam. Lycaenidae			
185	<i>Zizeeria lysimon</i> Hubn.	1	India
Fam. Nymphalidae			
186	<i>Ergolis merione merione</i> Cr.	1	India except the arid N. and N. W. regions
187	<i>Euthalia garuda</i> (Mo.)	2	India
188	<i>Precis hierta hierta</i> (Fab.)	1	do.
189	<i>Vanessa cardui</i> (L.)	1	All over India
Fam. Pieridae			
190	<i>Catopsilia crocale</i> (Cr.)	1	India
191	<i>Eurema brigitta</i> (Cr.)	2	do.
192	<i>E. hecabe</i> (L.)	large number	do.
193	<i>E. laeta</i> Boisd.	2	do.
194	<i>Huphina (Cepora) nerissa</i> (Fab.)	1	do.
Fam. Satyridae			
195	<i>Lethe rohria nilgiriensis</i> Guen.	1	S. India to Pachmarhi, Kashmir to Assam
196	<i>Melanitis leda</i> (Dr.)	large number	All over India
197	<i>Mycalesis perseus</i> (Fab.)	1	S. India to Bengal, Konkan, Lucknow, Kangra to Assam
198	<i>M. mineus</i> (L.)	3	Peninsular India. Madhya Pradesh, Bengal, Kulu to Assam
199	<i>Ypthima baldus</i> Fab.	1	All over India
ORDER NEUROPTERA			
Fam. Hemerobiidae			
200	<i>Myrmelion</i> sp.	1	
201	<i>Palperus pardus</i> Rbr.	4	Common
202	<i>Stanares probus</i> Wlk.	1	do.
ORDER ODONATA			
Fam. Agritidae			
203	<i>Vestalis smaragdina</i> Sel.	2	Assam
Fam. Libellulidae			
204	<i>Brachythemis contaminata</i> Fab.	3	Plains of India
205	<i>Bradinopyga geminata</i> (Ram.)	1	Peninsular India.
206	<i>Orthetrum</i> sp.	3	..
207	<i>Pantala flavescens</i> (Fab.)	1	All over India
ORDER ORTHOPTERA			
Fam. Acrididae			
208	<i>Acrida exultata</i> Wlk.	1	..
209	<i>A. gigantea</i> Hbrt.	2	Nepal
210	<i>A. turrita</i> L.	5	All over India
211	<i>Aelopus affinis</i> Bol.	3	Madras, Bombay

Serial No.	Family and Species	No. collected	Distribution previously recorded
212	<i>Aelopus</i> sp.	1	..
213	<i>Aularches scabiosae</i> Fab.	1	Bombay, Orissa
214	<i>Catantops innotabilis</i> Wlk.	4	Assam, Bengal, Bombay
215	<i>C. pinguis</i> Stal.	4	Sikkim, Ceylon etc.
216	<i>Catantops</i> sp.	1	..
217	<i>Euparatettix parvus</i> Hanc.	2	Ceylon
218	<i>Euparatettix scabripes</i> Bol.	3	E. Bengal
219	<i>Euparatettix</i> sp.	1	..
220	<i>Euprepocnemis shirakii</i> Bol.	1	..
221	<i>Gastrimargus transversus</i> Thumb.	13	All over India
222	<i>Hedotettix gracilis</i> Haan.	1	..
223	<i>Hieroglyphus banian</i> Fab.	7	Bombay Presidency and C. Provinces (Rice growing areas in this tract)
224	<i>Heteroacris illustris</i> Wlk.	1	South India
225	<i>H. insignis</i> Wlk. ?	2	Bengal, Madras
226	<i>Oxya velox</i> Fabr.	4	Assam, Bombay.
227	<i>Parella insignis</i> Bol. ?	1	..
228	<i>Parella</i> sp.	1	..
229	<i>Stauroderus</i> sp.	1	..
230	<i>Thisoicetrus adpersus</i> Rdt.	1	..
231	<i>Thisoicetrus</i> sp.	1	..
232	<i>Trilophidia annulata</i> Th.	1	Ceylon
233	<i>Xenocatantops humilis</i> Serv.	2	Assam, Bengal, Bombay
Fam. Gryllidae			
234	<i>Brachytrypes orientalis</i> Bur.	1	All crickets common in the plains
235	<i>Grylloides</i> sp.	4	
236	<i>Gryllus flavipes</i> Chap.	1	
237	<i>Gryllulus longipennis</i> S.	3	
238	<i>G. mitratus</i> Burm.	2	
239	<i>Gr.</i> sp. near <i>mitratus</i> Burm.	1	
240	<i>Gryllulus</i> sp.	14	
241	<i>Gryllotalpa africana</i> B.	4	
242	<i>Lucaropsis</i> sp.	1	
243	<i>Pteronemobius fascipes</i> Wlk.	1	
244	<i>Tridactylus thoracicus</i> Guer.	2	
ORDER DICTYOPTERA (Formerly Fam. Mantidae)			
245	<i>Aethalochroa ashmoliana</i> W.	5	Most are common all over India
246	<i>Creobroter ginnatus</i> (Stoll)	7	
247	<i>Gongylus gongylodes</i> L.	2	
248	<i>Hierodula tenuidentata</i> Serv.	3	
249	<i>H. unimaculata</i>	2	
250	<i>Humbertiella</i> sp.	3	

In addition to the above, a number of winged termites, mostly *Termes obesus* Ramb. and winged ants, *Dorylus orientalis* Westw. used to gather at the light. A crane fly (Tipulidae) *Pselliophora laeta* and a bug *Dalader acuticosta* Am. et. Serv. were caught in 1961.

## Note added in proof

An additional 20 species have now been named by the  
Forest Research Institute, Dehra Dun and these are listed below

N.T.N.

Serial No.	Family and Species	No. collected	Distribution previously recorded
ORDER COLEOPTERA			
Fam. Erotylidae			
1	<i>Episcapha</i> sp.	1	..
Fam. Scarabidae			
2	<i>Aserica staturosa</i> Br.	6	Common in India
3	<i>Lachnosterna serrata</i> F.	2	do.
4	<i>Trichogomphus</i> sp.	2	..
Fam. Staphylinidae			
5	<i>Paederus</i> sp.	1	..
6	<i>Platystethus indicus</i> C.	3	Dehra Dun
7	Staphylinid sp.	1	..
ORDER DIPTERA			
Fam. Calliphoridae			
8	<i>Lucilia</i> sp.	4	
Fam. Muscidae			
9	<i>Musca domestica</i> L.	1	Universal
Fam. Stratiomyidae			
10	<i>Sargus</i> sp.	2	..
Fam. Tabanidae			
11	<i>Tabanus</i> sp.	2	..
Fam. Tachinidae			
12	<i>Tachinid</i> sp.	1	..
Fam. Tipulidae			
13	<i>Conosia irrorata</i> Wied.	2	..
14	<i>Libnotes punctipennis</i> M.	1	..
15	<i>Tipula</i> sp.	3	..
Fam. Trypetidae			
16	<i>Rioxa dunlopi</i> Wulp.	1	Sylhet, Kharagpur.
ORDER HYMENOPTERA			
Fam. Braconidae			
17	<i>Braconid</i> sp.	1	..
Fam. Formicidae			
18	<i>Camponotus compressus</i> Fab.	3	Cosmopolitan
Fam. Ichneumonidae			
19	<i>Ambyteles</i> sp.	3	..
ORDER NEUROPTERA			
Fam. Mantispidae			
20	<i>Mantispa</i> sp.	1	..